

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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TITLE : LIQUID-LIQUID SEPARATING MEMBRANE

ABSTRACT : PURPOSE: To provide a liquid-liquid separating membrane having good separating efficiency and excellent mechanical properties by contg. a specific content. of fillers in silicone rubber.

CONSTITUTION: A separating membrane is produced by contg. 5~300wt% more preferably 20~200wt% fillers in silicone rubber. The thickness of the membrane is made to about 1 $\mu$ ~2mm, more preferably about 5~500 $\mu$ . For example, dimethyl silicone rubber, etc. are used as the silicone rubber, and there are, for example, titanium oxide, alumina, silica, etc. for inorg. fillers and PE, etc. for org. fillers, as the fillers to be added, of which the inorg. fillers are more preferable and the average grain sizes thereof are about 100~50 $\mu$ , more preferably 500~ 10 $\mu$ . Thus the separating membrane having excellent performances such as heat resistance, acid resistance, and alkali resistance is obtained.

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